

## EDUCATION KIT 7B— Wireless Nestbox Inspection Camera 7B –Jan 2021



**Designed for schools & outdoor wildlife educators.**

Allows students & groups to view the live video from a single **Wireless Nestbox Inspection Camera**. Kit includes three LCD Monitors with 7" color view screens, each suitable for sharing by several people. At least one LCD Monitor has a built in DVR (digital video recorder) for recording video, other two Monitors may be view only (no DVR).

Monitors incorporate rechargeable battery packs; the Nestbox Camera has its own rechargeable Smart battery that provides up to 7 hours run time.

### **Using the Inspection Camera:-**

#### **1) Mount the Battery Pouch:**

Secure the battery pouch close to the top of your extension pole using 2 cable ties.

#### **2) The Camera:**

Install a charged *Smart* battery into the pouch. Screw the camera housing onto extension pole. Plug the Camera's USB power cable into socket labelled **OUT** on the *Smart* battery. Camera will power up with its white illuminator ON. Press power button on Smart battery **twice** quickly to turn camera **OFF** & once to power camera back **ON**.

#### **3) The 7B LCD Video Monitor:**

**POWER UP CAMERA BEFORE THE LCD MONITOR.**



Monitor requires the two antennas. Open the sun shade, press the **POWER** button once, red led **A** will light & the LCD Monitor will come ON. Live video from the inspection camera should be visible on the LCD screen. Multiple LCD Monitors can view the live video from a single Nest box Camera.

#### **On Screen Displays:**

**Battery icon**- 3 green bars = 100% charged. **SD card icon**- card installed

& its free space. **RF A / CH-B-8** operating frequency.

**LCD Monitor is NOT WATERPROOF do not use it in the rain.**

#### **RECORD PHOTO or VIDEO:-**

Press the **Rec/Pic** button to capture a photo. Hold down the **Rec/Pic** button for 1 second then release to start recording video, a red record icon displays while recording. To **STOP** recording press the **Rec/Pic** button. *Record Monitors* take a max 16GB micro SD card. “*Viewing Only*” monitors do not have TF Card slots and cannot record photos or video, they are for observation only.

#### **TURN OFF THE LCD MONITOR:-**

Press **POWER** button once, red led A goes out & the LCD Monitor will switch **OFF**.

#### **TURN OFF THE INSPECTION CAMERA:-**

On the Smart battery, press the **Power** button (located under the blue leds) twice; blue leds will go out & the camera will switch **OFF**. To turn the camera back ON press the Power button on the Smart battery once. Alternatively you can simply unplug the Inspection Camera’s USB power cable from Smart battery.

#### **DOWNLOAD PICTURES/ VIDEOS:-**

Eject the micro SD card, use a card reader to transfer image files to your PC.

#### **TROUBLESHOOTING:**

##### **Poor video signal:**

Make sure that the Smart battery pack & the LCD are fully charged prior to use and that both antennas are connected. Power up the Camera then the LCD Monitor.

If the LCD monitor’s picture is poor quality or non-existent check the onscreen display to ensure that the monitor is tuned to Camera’s operating Band & channel. **CH -B - 8** should be displayed. If not use the **Band+** button to select **CH-B** then use the **CH+** button to select - 8.

##### **MUTE Audio:**

Press the **MENU** button, press MENU button repeatedly to scroll down to highlight the **VOLUME** option, press the **CH+** button to reset the volume to **0**.

#### **MAXIMISING BATTERY RUN TIME**

- Do not leave the inspection camera **ON** unnecessarily; either turn it **OFF** or unplug it from the smart battery
- Do not leave the LCD Monitor **ON** unnecessarily; turn it **OFF** when you have finished viewing the nest box video.

## LCD Monitor CHARGING PROCEDURE:

- Monitor must be **OFF** during charging
- Plug the 12volt/ 2amp charger cable into the socket marked “**DC/+12V**” located on the side of the LCD Monitor. Connect charger to 240v ac.
- Led **B** indicates state of charge. Red = charging Green = fully charged.

## Smart - Battery CHARGING PROCEDURE:

Smart battery will automatically switch **OFF** if it becomes discharged during use. Disconnect camera USB power cable prior to charging the battery.



**CHARGING:** Connect a 5 volt/ 2 amp phone charger to the **USB micro** socket labelled **IN** on the top of the Smart battery. Charging is automatic; blue leds indicate progress, when fully charged 4 blue leds are lit. Charge time is around 3~4 hours.

Two USB sockets are located on the top: –

1. **IN** USB micro - **Charging Input** 5 volt DC (5v phone charger)
2. **OUT** USB type A - **Power to Camera** (camera connection only)

## Precautions:

- Do not leave devices unattended while charging
- Do not place on dashboard of vehicle – to avoid overheating
- Smart batteries & LCD Monitors are not waterproof
- Switch Camera **OFF** when not in use to avoid overheating & possible damage.
- Switch Monitor **OFF** when not in use to conserve battery power.

Do not store devices in a discharged state for extended periods.

## **MUTE Audio:**

There is no audio. Press the **MENU** button, press MENU button repeatedly to scroll down to highlight the **VOLUME** option, press the **CH+** button to reset the volume to **0**.

**NO WARRANTY APPLIES TO BATTERIES or DAMAGE RESULTING FROM BATTERY FAILURE OR INGRESS OF MOISTURE.**

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